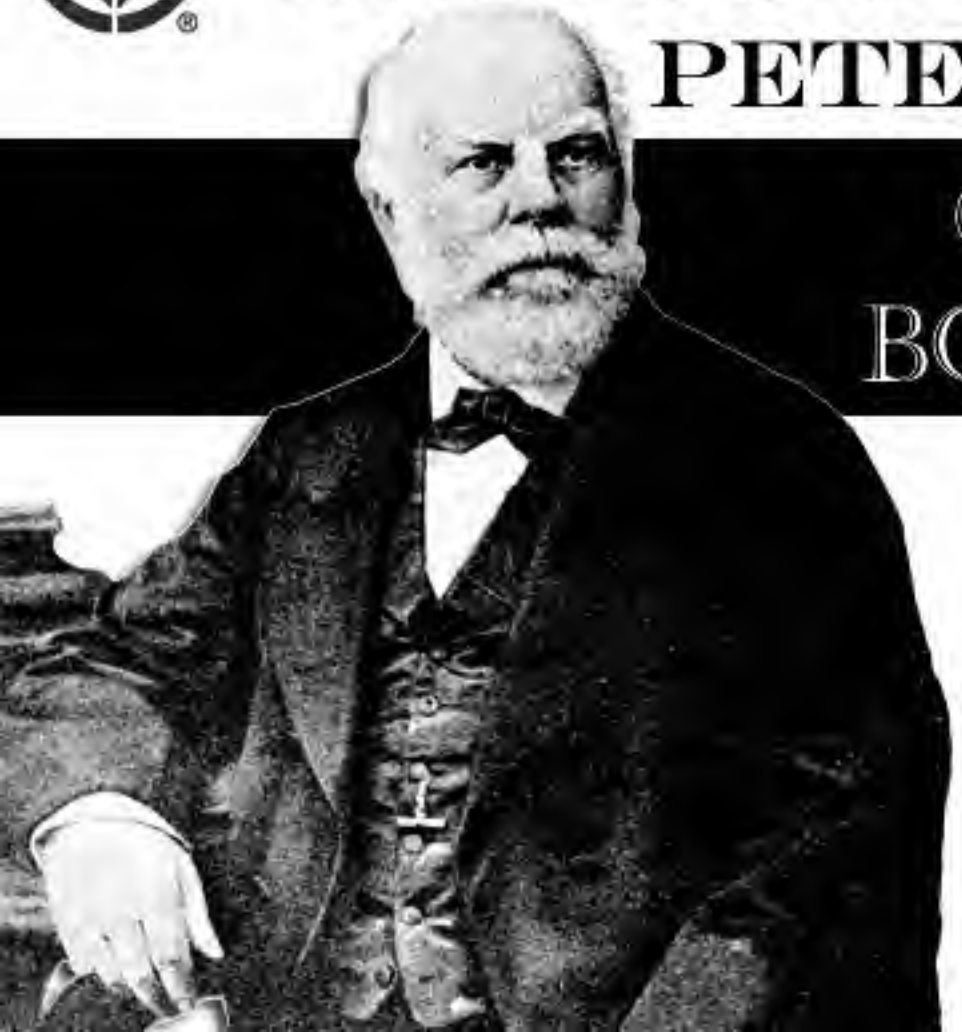
Missouri Botanical Garden
Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Rec^d Nov 23^d
Ans Dec 3

Osmer near Pleasdale Utah
Terry November 4 1874
(300 Miles from Salt Lake City)

Dr George Engelmann

My Dear Sir: Your letter of Oct 16. 74
was received this evening and I hasten
to reply. I this day mailed to you
all of the Seed of Abies Concolor
except probably one oz or two that
I have promised to Mr C S Sargent
I will go to the mountains tomorrow
and see what I can get in the line
I some time since cut two trees &
did not have time to collect the seed
but sent back a day or so after when
they were covered with snow if the
ground is bare I hope to get a
pound or two. If I succeed I will
note in this letter further on. by
last weeks mail I sent you specimens
of Pinus, fir, Juniperus Caninis &
Cedar which I hope will reach
you in good order. I shall send
you the Cedar or what Dr C C Parry
informed me was Juniperus Asiatica
Esperma seed as fast as I can

them put up I shall send probably 50 pounds in the bundle I sent today was a pound of them & my letter will tell you all about them &c the seed of the juniper are very good this season I have never found them better. I shall also send you seed of Yucca Angustifolia see my last letter for terms &c

I will now try to answer your enquiries in regard to Abies Concolor

1st it grows to the hight of 80 feet & in size of bole three feet from ground ~~30~~ 33 in it grows in moist cool canons & in small valleys on the mountains growing equally well among rocks as in richer soil. it associates with abies Douglasii. Yellow & black Pine see specimens sent. aspen & maples 2 the timber is soft & spongy when green & soft & easily worked when dry except the knots & they are (very "stiff" local) it is but little used except for building log cabins & only then when other timber of suitable size is scarce

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

3d The Bark on young trees is white & smooth saving the larger blisters some of which are as large as the ball of the thumb in older trees the bark becomes rough more like the bark on the Red Abies Douglasii, but I will try and send you specimens of the bark from old & young wood. The timber is of but little value as I before remarked except when other timber is very scarce but as an ornamental tree it has no equal in these mountains. If I send you the section of wood it will have to be very thin so as to bring it under 4 pounds weight as I have no way of sending it except by mail as there is no rail road or express office nearer than Salt Lake City 300 miles away with but little passing below him & there I send enclosed a pkt of Hesperochiron californicum seed which I hope will be of interest I have 2 pounds of this seed but it sells very slow

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS
12865

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

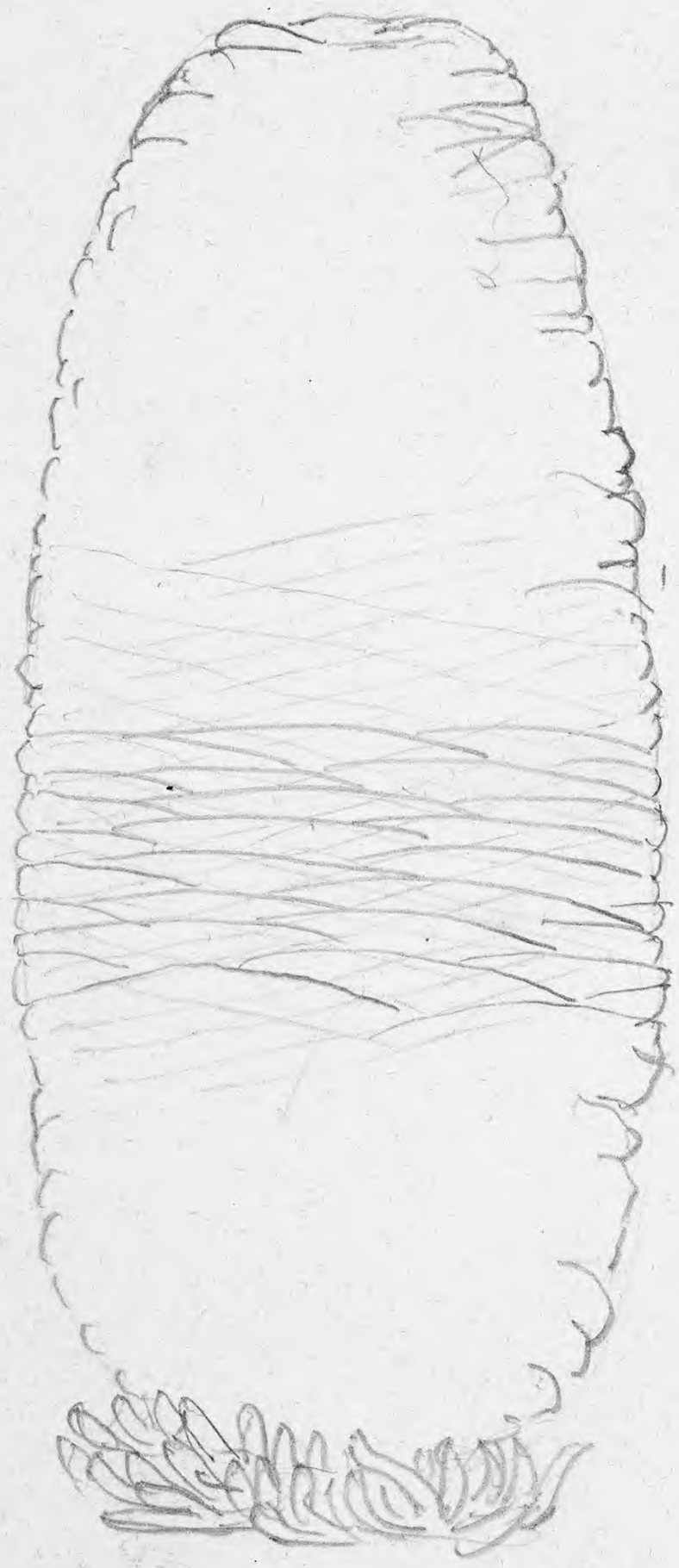
Nov 8 Since writing the foregoing papers I have visited the locality where the Cancolor grows found the seed ripe to 6 in under snow I got 3 specimens of Bark which I mail with this letter the tree does not grow as tall as I was led to believe the highest tree that I could find was about 60 feet high with limbs from the ground up.

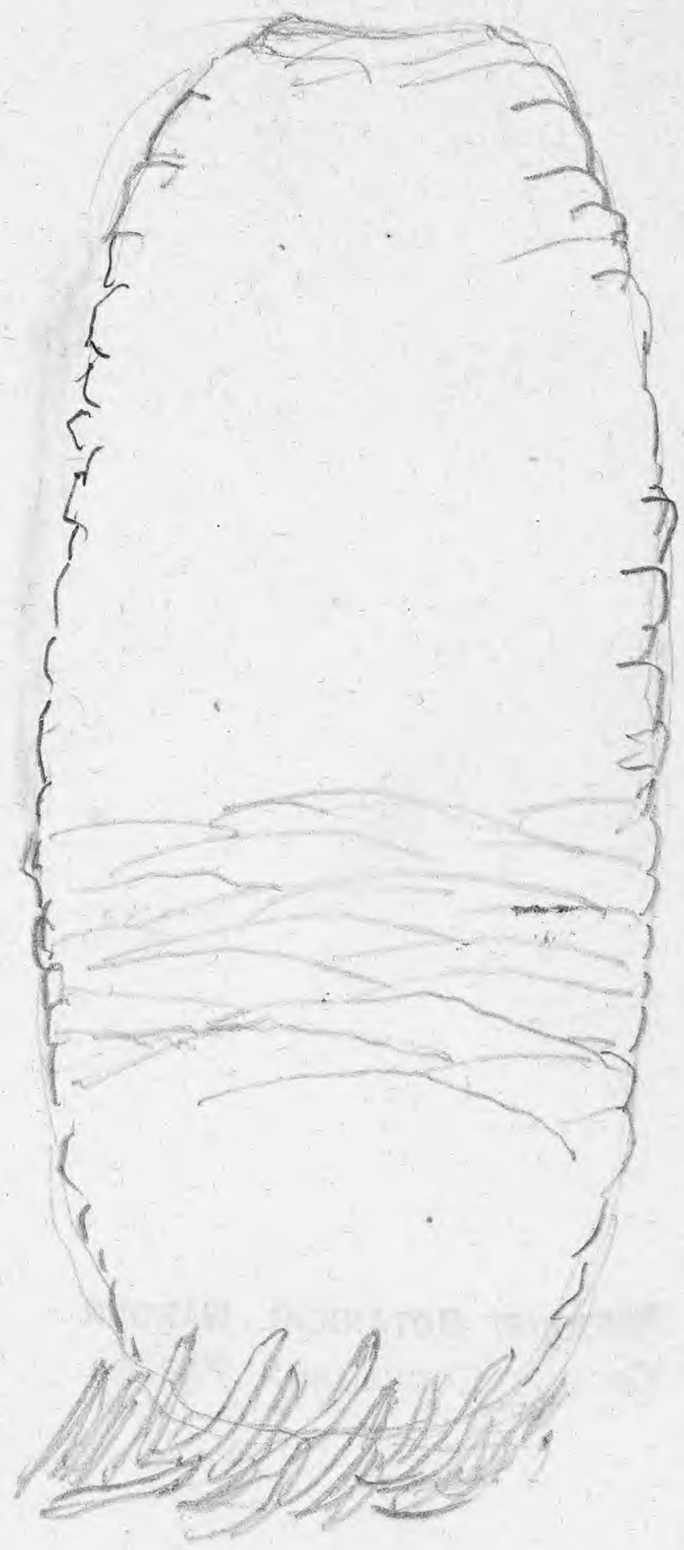
If you could send me Fr Rennie of Lynn Francis note paper & take seed for it I would be glad to receive it as I am nearly out of paper if you send it, pack it very securely putting heavy pasteboard on the sides so as to keep the corners from rolling or bruising & I would like to collect you for 2 hundred pounds of Cancolor seed mixt Scurvy at 5 — pr pound 1/3 of Dr Parrys price as given to me in his last letter that is if it fruits the pines have not fruited with us this season and it may mix mixt it happens very heavy this season

Please acknowledge I remain Yours
Thos Nept of the Fort A. S. Siler

Santa Monica
Sept 17 1880

Abies Concolor
among the "Big Trees", Fresno Co, Cal.
6000 feet alt.





5 inches long, a little over
2 inches in diameter
(unusually large)

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12866

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Abies concolor

Nov 24

Utah Silver

10 Seeds examined —

7 with 6 Cotyl

2 5 —

1 — 7 —

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

12867

JONES & LEITCH,
DRUGGISTS,
Corner Fifth and Market Streets, St. Louis, Mo.

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Cones of Abies concolor sent to Oct 74 & Jan 75

retusa,	brat brev	Mand	Brun	Gray	Boland	Hooker	Agric Brun	Porter	Torrey	St. Louis,
acuta	brat Cony.	"	"	"	"	"	"	"		"
Glen Eyrie	" Jan	" Oct	" Oct	" Oct	" Oct	" Oct	" Jan	" Oct		" Jan

G. ENGELMANN, M. D.,
OFFICE, S. W Cor. FIFTH & ELM STREETS,
RESIDENCE N. W. Cor. GARRISON AVE. & LOCUST ST.

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

CHAS. HABICHT & CO.,

Successors to ENNO SANDER & Co.,

Pharmaceutists,

Walnut & Fourth Sts., SOUTHERN HOTEL,

Walnut & Second Sts., BARNUM'S HOTEL,

ST. LOUIS, MO.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

cm 0 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

T. S. Brandegee writes

Mt Crestones Sept 15 1877
S. Colorado

Abies Concolor ; cones very large
and of all colours between
light yellow green & dark purple
bark rough, distinguishes it at
once from A. lasiocarpa, smooth bark
almost like that of Aspen, when
not too old; oldest trees are rougher.

Concolor fruits much more abundantly
than lasiocarpa — starts its cones
12 or 13 years

starts cones 12-13 years

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12869

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Abis nobilis

742-8

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12870

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Sissons Aug. 28 1820
Mt Shasta

scale $\frac{12}{8} \times \frac{8}{8} = 3:2$

scale outside green purple and where covered greenish with slight rose tinge

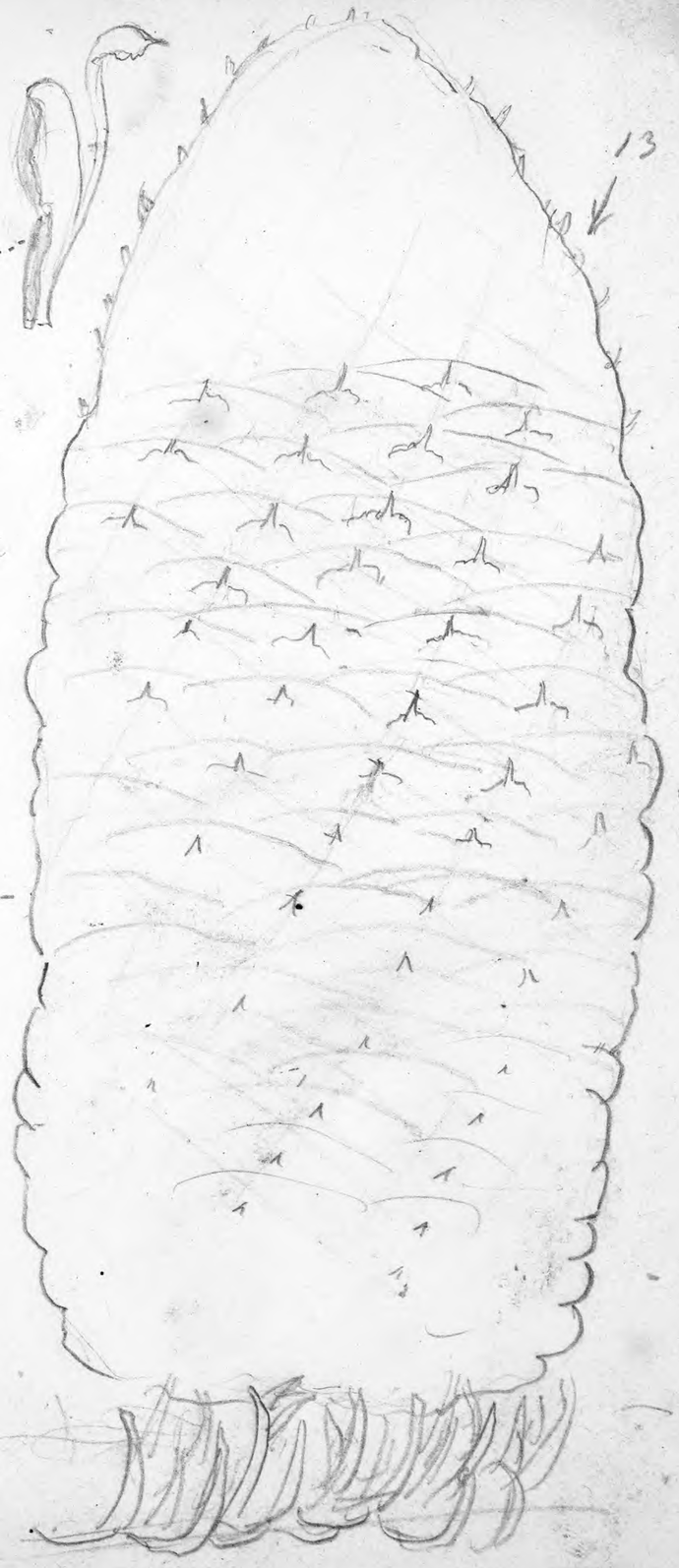
wing purple seed green

Cotyl

bracts both green

scale outside brown purple, and where covered rose purple

wing and outside of seed purple



13 spirals most conspicuous
8 less so

Phyllotaxis order
34/55

Abies nobilis on Mt Shasta 7000' alt.

Scale $\left(\frac{14}{8} \times \frac{7}{8}\right.$ = 4:2 or 2:1

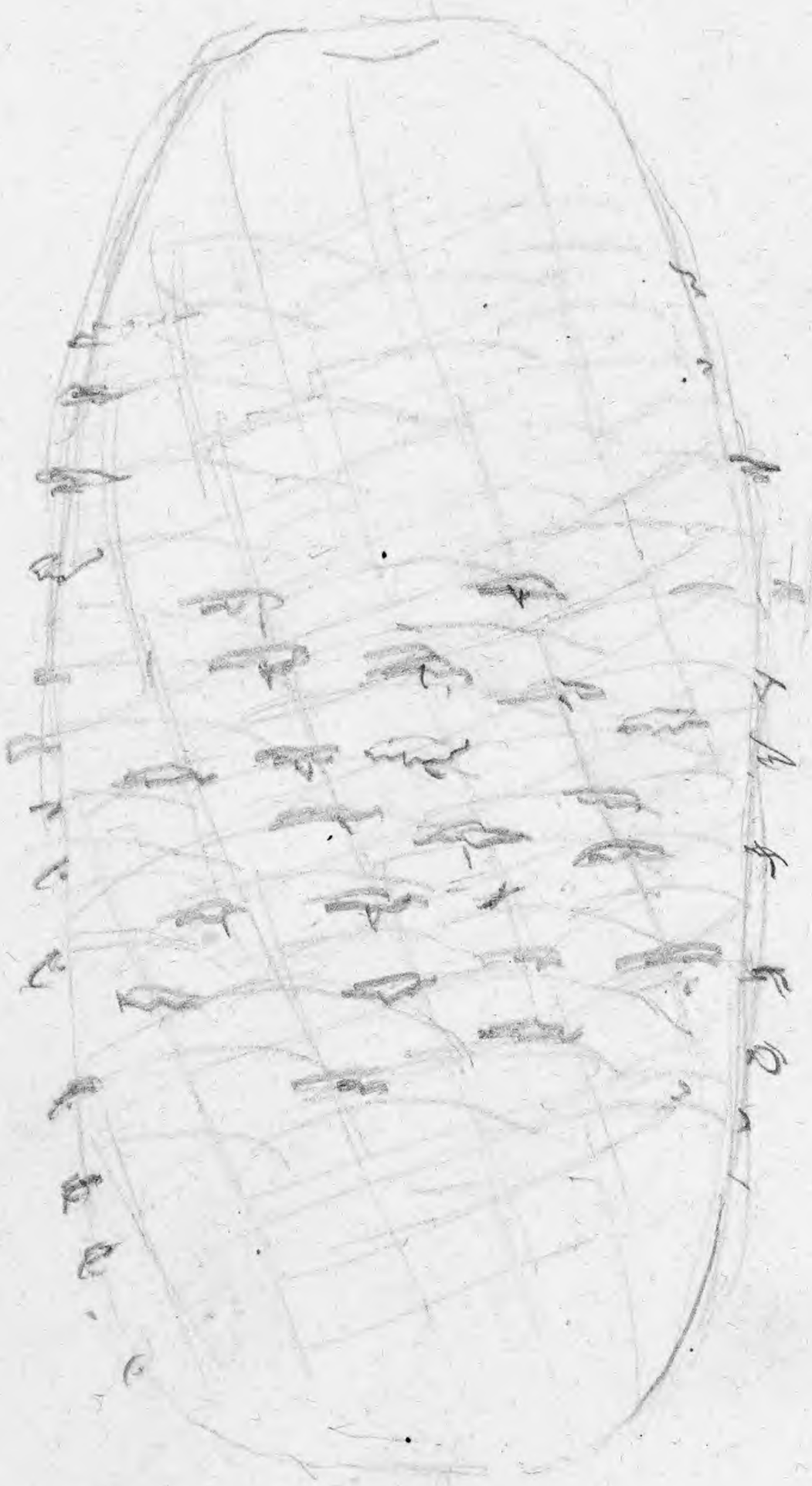
Missouri Botanical Garden
copyright reserved

12871

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Sissons Aug. 28 1890



bracts purple green

scale $\frac{9}{8} : \frac{4}{8}$

$- 1\frac{1}{2} : 2$

Abies nobilis on Mt Shasta

Good all "good"

scales ÷ 2/24 order

Scale outside purple down and where covered, rose colour, wing and outside of seed purple

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12872

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Brewer notes June 29 1864:
I find on Mt Silliman
abies nobilis mixed with amabilis
[magnifica] the first time I saw it
South of Mt Shasta, — Can not
distinguish them without cones
I got cones there of undoubted
nobilis.

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12873

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Kew Sept 1869

The grand Pinetum Britannicum J. Lawson
(ed. A. Murray) part I

Says of S. nobilis P. nobilis foliis falcatis
obtusis mucronatis planis supra et subtus
albidis pulverulentis [sic]!]
Leaves "with a raised line in the middle
and a furrow on each side of it above"
canaliculate below except towards the apex

over

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

sometimes bisexual catkins are found
seeds often attacked by insects

The figure is very inferior, and so are
the woodcuts & [illegible] with [illegible] the
[illegible] bisexual catkins
seeds attacked by insects

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

12874

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN